SPECS

PEAVEY ELECTRONICS

SP™ 112M

Floor Monitor with Sound Guard™

SPECIFICATIONS

Frequency Response, 1 Meter On-Axis, Swept-Sine in Anechoic Environment:
100 Hz to 14 kHz

Low-Frequency Cut Off (-3 dB point):
100 Hz

Useable Low-Frequency Limit (-10 dB point):
86 Hz

Power Handling:
250 watts continuous (44.7 V RMS)
500 watts program
1,000 watts peak

Sound Pressure Level, 1 Watt at 1 Meter, Swept-Sine Input in Anechoic Environment:
101 dB

Transducer Complement:
One 22XT™ titanium diaphragm compression driver mounted on a CH™-3 CD horn
One 1201-8 Black Widow® woofer

Tuning Frequency (F_{box}):
90 Hz

Crossover Frequency (internal passive):
2.1 kHz

Crossover Type:
Internal passive with Sound Guard™ high-frequency driver protection circuit

Impedance (Z):

Full-Range Nominal:	8 ohms
Full-Range Minimum:	5.9 ohms
Lows Nominal:	8 ohms
Highs Nominal:	8 ohms

Input Connections:
Two 1/4" full-range female connectors, one each bi-amp high and low

Dispersion:
90°H x45°V

Enclosure Materials and Finish:
7-ply, high-density 3/4" plywood covered with wear-resistant black carpet
3-D metal grille provides driver protection

Mounting:
Four rubber feet for solid stance

Dimensions (H x W x D):
17" x 16.75" x 20.5"
(43.18 cm x 42.55 cm x 52.07 cm)

Net Weight:
49 lbs. (22.27 kg)

FEATURES

- 12" Black Widow® woofer
- 22XT™ titanium compression driver
- CH™-3 constant-directivity horn
- High-level, passive crossover with bi-amp capability and Sound Guard™ protection circuit
- Clean, crisp vocals at high SPLs
- 3-D protective metal grille
- Compact, vertical stance

DESCRIPTION

The SP™ 112M is a full-range floor monitor engineered for on-stage monitoring applications at high SPLs while maintaining vocal clarity.

The cabinet is constructed of 7-ply 3/4" high-density plywood, reinforced with integral bracing and covered with a black, wear-resistant carpet material. A 3-D, black metal grille provides driver protection. The two-way system is comprised of a Kevlar®-impregnated, 12" 1201-8 Black Widow and a Sound Guard protected 22XT titanium diaphragm compression driver mounted onto a CH-3 constant-directivity horn supplying the mid and high frequencies. The audio spectrum is divided by a two-way, high-level passive

internal network, providing a smooth frequency from 100 Hz to 14 kHz. Full-range or bi-amp operation is available via 1/4" female connectors, two full-range inputs in parallel and one each bi-amp high and low.

Rubber feet are furnished to facilitate a solid stance.

FREQUENCY RESPONSE

This measurement is useful in determining how accurately a given enclosure reproduces an input signal.

The frequency response of the SP 112M is measured at 1 meter using a 2.82-volt, swept-sine input. The selected drivers in the SP 112M combine to give a smooth frequency response from 100 Hz to 14 kHz.

POWER HANDLING

There are many different approaches to power handling ratings. Peavey rates this speaker system's power handing using a modified form of the AES Standard 2-1984. Utilizing audio band 20 Hz to 20 kHz pink noise with peaks over four times the RMS level, this strenuous test signal assures the user that every portion of this system can withstand today's high technology music. The test signal contains large amounts of very low frequency energy, effectively simulating the frequency content of live music situations.

The full measure of high frequencies in the test signal allow for exposure of the speaker system to synthesized tones that may extend beyond audibility. This rating is contingent on having a minimum of 3 dB amplifier headroom available so as to ensure that clipping does not occur.

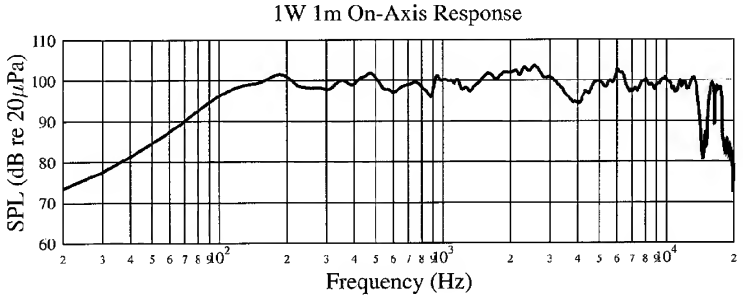
ARCHITECTURAL & ENGINEERING SPECIFICATIONS

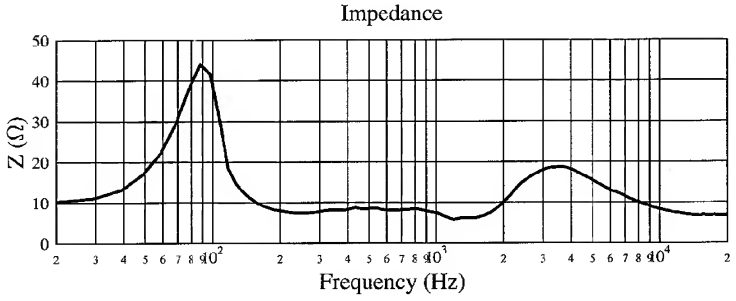
The loudspeaker system shall have an operating bandwidth of 100 Hz to 14 kHz. The nominal output level shall be 101 dB when measured at a distance of one meter with an input of one watt. The nominal impedance shall be 8 ohms. The maximum continuous power handling shall be 250 watts with maximum program of 500 watts and a peak power input of at least 1,000 watts, with a minimum amplifier headroom of 3 dB. The high frequency driver will be protected by the Sound Guard protection circuitry. The nominal radiation geometry shall be 90° in the horizontal plane and 45° in the vertical plane.

The outside dimensions shall be 17 inches high by 16.75 inches wide by 20.5 inches deep. The weight shall be 49 lbs. The loudspeaker system shall be a Peavey model SP™ 112M

ONE-YEAR LIMITED WARRANTY

NOTE: For more details, refer to the warranty statement. Copies of this statement may be obtained by contacting Peavey Electronics Corporation, P.O. Box 2898, Meridian, Mississippi 39302-2898.





Features and specifications subject to change without notice.

Peavey Electronics Corporation 711 A Street / Meridian, MS 39301 / U.S.A. / (601) 483-5365 / Fax: 486-1278

#80300398

Printed in U.S.A. 12/96